

Summary of Water Quality Treatment

Storm Water Management Zone	Inlet Subcatchment	Total Developed Area (sf)	Total Impervious Area (sf)	Total Pervious Area (sf)	Total New Developed Area (Acres)	Required Water Quality Volume (cf)2	Existing Roof Mitigation Credit (sf)9	Treatment Approach	Required Water Quality Filter Surface Area (sf) (When applicable)10	Required Surface Area Volume controlled by Maximum Pond Depth	Tree Box Filter Size or Provided Filter Size	1 Yr 24-hr Storm Event Peak Flow Rate (cfs)3	Stormtech Isolator Row Chambers Required (EA)4	Jelly Fish Treatment Unit Required(Where Applicable)5,11	Jelly Fish Units Provided (EA)	Provided Water Quality Volume (cf)4, 7	Total Disturbed Area (Redeveloped) (sf)	Pervious Area (sf)	
Zone A	301	23,419.00	7,527.00	15,892.00	0.54	1,157	0	UD Grass Filter	694	771	900	-	-	-	-	1,350	23419	15892	
	Sub-Total Zone A New Treated Area	23,419.00	7,527.00	15,892.00	0.54	1,156.98	0.00		694.19	771.32									
	Existing Depot Building*	7,651.00	7,651.00	0.00	0.18	638	4,591	UD Grass Filter	383	435	600	-	-	-	-	900	7651	0	
	Sub-Total Zone A Existing Treated Roof Area	7,651.00	7,651.00	0.00	0.18	637.58	4,590.60		382.55	425.06									
	302	28,160.00	5,027.00	23,133.00	0.65	-	-	Untreated	-	-	-	-	-	-	-	-	-	28160	23133
	Zone A New Untreated Area-Perimeter Grades	14,729.00	0.00	14,729.00	0.34	-	-	Untreated	-	-	-	-	-	-	-	-	-	14729	14729
Sub-Total Zone A Untreated Areas	42,889.00	5,027.00	37,862.00	0.98	-	-		-	-	-	-	-	-	-	-	-	-	-	
Zone A Total Area Discharge	73,959.00	20,205.00	53,754.00	1.70	1794.57	4590.60		1076.74	1196.38	1500.00			0	0.00		2,250	73959	15892	
Zone B	401	45,280.00	17,293.00	27,987.00	1.04	2,374	0	Jelly Fish Unit	-	-	-	1.18	-	1-JF-4-2-1	1-JF-4-2-1	2,657	45280	27987	
	402	8,841.00	8,284.00	557.00	0.20	709	0	Boxless Filter	32	32	2-(4'x6')	0.52	-	-	-	-	8841	557	
	403	30,026.00	14,388.00	15,638.00	0.69	1,720	0	Boxless Filter	120	120	2-(6'x10')	0.98	-	-	-	-	30026	15638	
	Sub-Total Zone B New Treated Area	84,147.00	39,965.00	44,182.00	1.93	4,803.15	0.00		-	-	-	-	-	-	-	-	-	-	
	Existing Depot Building* (trib to 401)	3,400.00	3,400.00	0.00	0.08	283	2,040	Boxless Filter	See 401	See 401	see 401	0.21	-	see 401	see 401	see 401	3400	0	
	Sub-Total Zone B Existing Treated Roof Area	3,400.00	3,400.00	0.00	0.08	283.33	2040.00		-	-	-	0.21	-	-	-	-	-	-	
Zone B New Untreated Area-Perimeter Grades	9,443.00	0.00	9,443.00	0.22	-	-	Untreated	-	-	-	-	-	-	-	-	-	9443	9443	
Zone B Total Area Discharge	96,990.00	43,365.00	53,625.00	2.23	5086.48	2040.00		-	-	-	-	-	-	-	-	2,657	96990	53625	
Zone C	501	32,348.00	32,348.00	0.00	0.74	2,696	0	Jelly Fish Unit	-	-	-	1.08	9.88	1-JF4-2-1	1-JF4-2-1	4,849	32348	0	
	502	7,299.00	1,923.00	5,376.00	0.17	339	0	Jelly Fish Unit	-	-	-	0.26	1.32	-	-	-	7299	5376	
	503	7,458.00	2,742.00	4,716.00	0.17	386	0	Jelly Fish Unit	-	-	-	0.29	1.47	-	-	-	7458	4716	
	Sub-Total Zone C New Treated Area	47,105.00	37,013.00	10,092.00	1.08	3,420.82	0.00		-	-	-	-	-	-	1-JF4-2-1	1-JF4-2-1	-	-	
	South Side Brick South (C1)*	18,526.00	18,526.00	0.00	0.38	1,377	9,916	Jelly Fish Unit	-	-	-	1.01	5.05	1-JF-4-2-1	1-JF-4-2-1	-	18526	0	
	Sub-Total Zone C Existing Treated Roof Area*	18,526.00	18,526.00	0.00	0.38	1377.17	9915.60		-	-	-	N/A	5.05	1-JF-4-2-1	1-JF-4-2-1	-	-		
Zone C New Untreated Area-Perimeter Grades	0.00	0.00	0.00	0.00	0	0	Untreated	-	-	-	0.00	0.00	0.00	-	-	0	0		
Zone C Total Treated Area Discharge	63,631.00	53,539.00	10,092.00	1.46	4797.98	9915.60		-	-	-	-	17.72	-	-	-	63631	10092		
Zone D	601	20,890.00	13,191.00	7,499.00	0.47	1,349	0	Jelly Fish Unit	-	-	-	-	-	1-JF-4-2-1	1-JF-4-2-1	1,823	20890	7499	
	602	5,462.00	4,989.00	473.00	0.13	432	0	Jelly Fish Unit	-	-	-	-	-	-	-	-	5462	473	
	603	10,640.00	7,549.00	3,091.00	0.24	732	0	Filter	36	36	2-(4'x6')	-	-	-	-	-	10640	3091	
	604	3,664.00	3,664.00	0.00	0.08	305	0	Filter	24	24	4'x6'	-	-	-	-	-	3664	0	
	605	16,327.00	9,136.00	7,191.00	0.37	1,001	0	Filter	60	60	1-4'x6', 1-4'x8'	-	-	-	-	-	16327	7191	
	D-20	10,459.00	9,687.00	772.00	0.24	833	0	Filter	36	36	2- 4'x6'	-	-	-	-	-	10459	772	
	D-21	21,585.00	15,412.00	6,173.00	0.50	1,490	0	Filter	72	72	2-(6'x6')	-	-	-	-	-	21585	6173	
	D-18**	13,245.00	6,004.00	7,241.00	0.30	742	0	Filter	24	24	4'x6'	-	-	-	-	-	13245	7241	
	D-19**	8,103.00	6,430.00	1,673.00	0.19	592	0	Filter	24	24	4'x6'	-	-	-	-	-	8103	1673	
	D-11	21,896.00	17,708.00	4,188.00	0.50	1,615	0	Jelly Fish Unit	-	-	-	1.12	5.60	-	-	-	21896	4188	
	D-16	13,019.00	10,139.00	2,880.00	0.30	941	0	Jelly Fish Unit	-	-	-	0.66	3.32	-	-	-	13019	2880	
	D-12	7,885.00	5,082.00	2,803.00	0.18	517	0	Jelly Fish Unit	-	-	-	0.38	0.00	-	-	-	7885	2803	
	D-13	3,996.00	2,056.00	1,940.00	0.09	236	0	Jelly Fish Unit	-	-	-	0.22	1.11	1-JF-4-2-1	1-JF-4-2-1	4,809	3996	1940	
	D-14	6,465.00	1,966.00	4,499.00	0.15	314	0	Jelly Fish Unit	-	-	-	0.26	1.30	-	-	-	6465	4499	
	606	11,831.00	11,831.00	0.00	0.27	986	0	Jelly Fish Unit	N/A	-	-	0.72	3.61	-	-	-	11831	0	
	609-Event Center	77,903.00	77,903.00	0.00	1.79	6,492	0	Jelly Fish Unit	N/A	-	-	4.76	23.79	1-JF-6-3-1	1-JF-6-3-1	6,492	77903	0	
	607	20,892.00	10,284.00	10,428.00	0.48	1,203	0	Rain Garden	1,031	-	1,500	-	-	N/A	-	-	20892	10428	
	Sub-Total Zone D New Treated Area	273,862.00	213,011.00	60,851.00	6.29	19,779.28	0.00		1307.32	-	-	-	-	38.72	3 JF Units	3 JF Units	12,924	-	
	Zone D New Untreated Area - Perimeter Grades	7,580.00	0.00	7,580.00	0.17	-	-	None	-	-	-	-	-	-	-	-	-	7580	7580
	608	8,131.00	5,883.00	2,248.00	0.19	-	-	None	-	-	-	-	-	-	-	-	-	8131	2248
	Sub-Total Zone D Untreated Area	15,711.00	5,883.00	9,828.00	0.36	-	-		-	-	-	-	-	-	-	-	-	-	
	Zone D Total Treated Area Discharge	289,573.00	218,894.00	70,679.00	6.65	19,779.28	0.00		-	-	-	-	-	-	-	-	-	-	
	Zone E	801	20,297.00	17,077.00	3,220.00	0.47	1,530	0	Jelly Fish Unit	-	-	-	-	-	JF4-2-1	JF4-2-1	3,424	20297	3220
		802	22,653.00	22,653.00	0.00	0.52	1,888	0	Jelly Fish Unit	-	-	-	-	-	JF4-2-1	JF4-2-1	-	22653	0
Sub-Total Zone E New Treated Area		42,950.00	39,730.00	3,220.00	0.99	3,418.17	-		-	-	-	-	-	JF4-2-1	JF4-2-1	-	-		
Zone E New Untreated Area-Perimeter Grades		13,730.00	0.00	13,730.00	0.32	-	-	None	-	-	-	-	-	-	-	-	-	13730	13730
Zone E Total Area Discharge		56,680.00	39,730.00	16,950.00	1.30	3,418.17	0		-	-	-	-	-	-	JF4-2-1	JF4-2-1	3,424	-	
701		19,005.00	9,599.00	9,406.00	0.44	1,113	0	Jelly Fish Unit	-	-	-	0.69	3.43	-	-	-	-	19005	9406
702		7,181.00	7,181.00	0.00	0.16	598	0	Jelly Fish Unit	-	-	-	0.44	2.19	-	-	-	-	7181	0
CB F-8		3,323.00	808.00	2,515.00	0.08	237	0	Jelly Fish Unit	-	-	-	0.20	1.01	-	-	-	-	3323	808
CB F-7		17,327.00	13,385.00	3,942.00	0.40	1,247	0	Jelly Fish Unit	-	-	-	0.86	4.31	-	-	-	-	17327	3942
CB F-3		3,548.00	186.00	3,362.00	0.08	128	0	Jelly Fish Unit	-	-	-	0.20	1.00	JF6-4-1	JF6-4-1	6,263	3548	3362	
CB F-4		1,039.00	256.00	783.00	0.02	47	0	Jelly Fish Unit	-	-	-	0.17	0.83	-	-	-	-	1039	783
CB F-5		4,602.00	727.00	3,875.00	0.11	190	0	Jelly Fish Unit	-	-	-	0.21	1.06	-	-	-	-	4602	3875
CB F-6	2,102.00	348.00	1,754.00	0.05	87	0	Jelly Fish Unit	-	-	-	0.19	0.94	-	-	-	-	2102	1754	
703	9,203.00	6,690.00	2,513.00	0.21	641	0	Jelly Fish Unit	-	-	-	0.46	2.32	-	-	-	-	9203	2513	
705	19,473.00	19,473.00	0.00	0.45	1,623	0	Jelly Fish Unit	-	-	-	1.19	5.95	-	-	-	-	19473	0	
Sub-Total Zone F New Treated Area	86,803.00	26,443.00	59,113.00	2.30	5,911.43	0.00		-	-	-	-	-	23.05	JF6-4-1	JF6-4-1	6,263	-		
Brick South North Side*	16,323.00	16,323.00	0.00	0.37	1,360	9,794	Jelly Fish Unit	-											